



\$ copy

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No6,809,486 B2
Patent Issue DateOctober 26, 2004
Application Serial No.10/016,966
Filing DateDecember 14, 2001
AssigneeStirling Technology Company
InventorshipSonggang Qiu, et al.
Attorney's Docket No.ST22-031
Title: "Active Vibration and Balance System for Closed Cycle
Thermodynamic Machines"

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR
APPLICANT MISTAKES and PTO MISTAKES (37 C.F.R. §§ 1.322(a) and 1.323)**

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN: Decision and Certificate of Correction
Branch of the Patent Issue Division

From: Keith D. Grzelak (Tel. 509-624-4276; Fax 509-838-3424)
Wells St. John P.S.
601 W. First Avenue, Suite 1300
Spokane, WA 99201-3828

Sir:

It is hereby requested that a Certificate of Correction be issued with respect to Patent No. 6,809,486 B2, granted October 26, 2004, in accordance with the Certificate of Correction form attached hereto in duplicate.

It is noted that errors appear in this patent of a minor nature of character, as more fully described below. The errors occurred in good faith. Correction thereof does not involve such changes in the patent as would constitute new matter or would require re-examination.

01/10/2005 SDENB001 00000006 6809486

01 FC:1811

100.00 DP

21 JAN 2005

Other errors listed on the Certificate of Correction form were apparently incurred through the fault of the PTO as will be disclosed by the records of files in the Office.

Attached hereto, in duplicate, is Form PTO-1050, with at least one copy being suitable for printing.

The exact page and line number where the errors occur in the application file are:

In the Specification

Page 39, paragraph [0112], delete "In one case, memory 88 comprises", and insert --In one case, memory 66 comprises--.

Page 40, paragraph [0117], delete " X_{i+1} is the point on the line", and insert -- X_{i+1} is the point on the line--.

In the Claims

Claim 3 (formerly claim 22), line 1, page 3 of Amendment dated 4/1/04 in Response to 12/17/03 Office Action, delete "The control system of claim 1 the linear", and insert --The control system of claim 1 wherein the linear--.

Claim 7 (formerly claim 28), line 1, page 5 of Amendment dated 4/1/04 in Response to 12/17/03 Office Action, delete "The control system of claim 4", and insert --The control system of claim 6--.

Claim 18 (formerly claim 39), line 1, page 8 of Amendment dated 4/1/04 in Response to 12/17/03 Office Action, delete "The method of claim 16 further controllably", and insert --The method of claim 16 further comprising controllably--.

Claim 22 (formerly claim 45), first paragraph, page 10 of Amendment dated 4/1/04 in Response to 12/17/03 Office Action, delete "A vibration control system for linear reciprocation machines comprising:", and insert --A vibration control system for linear reciprocating machines, comprising:--.


Enclosed is a check in the amount of \$100.00, as required by 37 CFR 1.20(a).

Respectfully submitted,

Dated: _____

01/04/05

By: _____



Keith D. Grzelak
Reg. No. 37,144

21 JAN 2005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,809,486 B2
DATED : October 26, 2004
INVENTOR(S) : Songgang Qiu, et al.

Certificate
JAN 18 2005
of Correction

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification

Col. 17, line 60, delete "In one case, memory 88 comprises", and insert --In one case, memory 66 comprises--.

Col. 18, line 30, delete " X_{i+1} is the point on the line", and insert -- X_{i+1} is the point on the line--.

In the Claims

Col. 24, line 34, claim 3, delete "The control system of claim 1 the linear", and insert --The control system of claim 1 wherein the linear--.

Col. 25, line 14, claim 7, delete "The control system of claim 4", and insert --The control system of claim 6--.

Col. 26, line 16, claim 18, delete "The method of claim 16 further controllably", and insert --The method of claim 16 further comprising controllably--.

Col. 27, lines 1-2, claim 22, delete "A vibration control system for linear reciprocation machines comprising:", and insert --A vibration control system for linear reciprocating machines, comprising:--.

Page 1 of 1

Mailing Address of Sender:
Wells St. John P.S.
601 West First Avenue, Suite 1300
Spokane, WA 99201-3828

Patent No. 6,809,486 B2

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,809,486 B2
DATED : October 26, 2004
INVENTOR(S) : Songgang Qiu, et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification

Col. 17, line 60, delete "In one case, memory 88 comprises", and insert --In one case, memory 66 comprises--.

Col. 18, line 30, delete " X_{i+1} is the point on the line", and insert -- X_{i+1} is the point on the line--.

In the Claims

Col. 24, line 34, claim 3, delete "The control system of claim 1 the linear", and insert --The control system of claim 1 wherein the linear--.

Col. 25, line 14, claim 7, delete "The control system of claim 4", and insert --The control system of claim 6--.

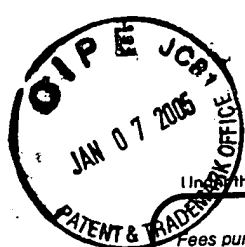
Col. 26, line 16, claim 18, delete "The method of claim 16 further controllably", and insert --The method of claim 16 further comprising controllably--.

Col. 27, lines 1-2, claim 22, delete "A vibration control system for linear reciprocation machines comprising:", and insert --A vibration control system for linear reciprocating machines, comprising:--.

Page 1 of 1

Mailing Address of Sender:
Wells St. John P.S.
601 West First Avenue, Suite 1300
Spokane, WA 99201-3828

Patent No. 6,809,486 B2



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2005☒ Applicant claims small entity status. See 37 CFR 1.27.TOTAL AMOUNT OF PAYMENT (\$)100.00

Complete if Known	
Patent Application Number	6,809,486 B2
Filing Date Issued	10/26/2004
First Named Inventor	Songgang Qiu, et al.
Examiner Name	Judson Jones
Art Unit	2834
Attorney Docket No.	ST22-031

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 23-0925 Deposit Account Name: Wells St. John P.S.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	Extra Claims	Fee (\$)
- 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20.		
Indep. Claims	Extra Claims	Fee (\$)
- 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3.		

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Req. for Cert. of Correction

Fees Paid (\$)

\$100.00

SUBMITTED BY		Registration No.	Telephone
Signature	<u>Keith D. Grzelak</u>	(Attorney/Agent) <u>37,144</u>	<u>509/624-4276</u>
Name (Print/Type)	<u>Keith D. Grzelak</u>	Date	<u>1/04/05</u>

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

21 JAN 2005



Duplicate
COPY

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (12-04v2)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**100.00**

Complete if Known

Patent Application Number	6,809,486 B2
Filing Date Issued	10/26/2004
First Named Inventor	Songgang Qiu, et al.
Examiner Name	Judson Jones
Art Unit	2834
Attorney Docket No.	ST22-031

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):
☒ Deposit Account Deposit Account Number: **23-0925** Deposit Account Name: **Wells St. John P.S.**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=	

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3.

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180
Multiple Dependent Claims	
Fee (\$)	Fee Paid (\$)

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): **Req. for Cert. of Correction**

Fees Paid (\$)

\$100.00

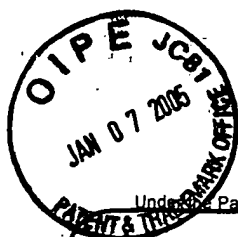
SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	37,144	Telephone	509/624-4276
Name (Print/Type)	Keith D. Grzelak	Date	1/04/05		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

21 JAN 2005



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

10

Application Number

Patent

6,809,486 B2

Filing Date Issued

October 26, 2004

First Named Inventor

Songgang Qiu, et al.

Art Unit

2834

Examiner Name

Judson Jones

Attorney Docket Number

ST22-031

ENCLOSURES (Check all that apply)



Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)



Reply to Missing Parts/
Incomplete Application



Reply to Missing Parts
under 37 CFR 1.52 or 1.53



Drawing(s)



Licensing-related Papers



Petition



Petition to Convert to a
Provisional Application



Power of Attorney, Revocation
Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

☐ Landscape Table on CD

Remarks



After Allowance Communication to TC



Appeal Communication to Board
of Appeals and Interferences



Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)



Proprietary Information



Status Letter



Other Enclosure(s) (please identify
below):

Return postcard receipt; \$100 check;
Request for Certificate of Correction, with
duplicate copies of Certificate of Correction

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Wells St. John P.S. (customer No. 021567)

Signature

Printed name

Keith D. Grzelak

Date

1/04/05

Reg. No.

37,144

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Terry J. Gruber

Typed or printed name

Terry J. Gruber

Date

1/04/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

21 JAN 2005